Wո	rk	O:	rder	ID	619	57
* * U	ın	v	uci	117	ひょう	<i>.</i>

Monday, September 13, 2010 9:59:29 AM



Page 1

Item ID:

D205-634-041

Accept

Setup Start



Revision ID:

Item Name:

Replacement Skidtube

Start Date:

9/13/2010

Start Qty: 1.00

Required Date: 9/28/2010

QC:

Req'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

Approvals:

Date:

Date: 10

Tooling:

SPC (Y/N):

Date:

Date:

Run

Start

Stop



Stop

Sequence ID/ **Work Center ID**

Operation

Description

Set Up/ **Run Hours** Tool ID

Tool # Plan Accept Qty Code

Reject Qty

Reject Number

Insp. Stamp

Draw Nbr

Revision Nbr

D2580 Rev D

100

DOCUMENT CONTROL

Memo

0.00

0.00

Document Control

Photocopy D205-634 bluefile & type labels per PPP D205-634-041 CHG002

110

CNC Bend 1

CNC Delta 100 Bender

BENDING MACHINE - SKIDTUBES

Memo

0.00

0.00

1-Bend as per progr

on CNC Bender and Folio 16

2-Cut tubes as p Jw. J2580

3- scribe batch# in at end of tube

W/O:		WORK ORDER CI	WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
Part No):	PAR #: Fault Category:	NCR: Yes	No DQ	A :	Date:		

Disposition: _____ QA: N/C Closed: ____ Date: ____

NCR:	WORK ORDER NON-CONFORMANCE (NCR)									
		Description of NC		Corrective Action Section B	Verification	Approval	Approval			
DATE ST	STEP	STEP Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	QC Inspector		
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NOTE: Date & initial all entries

Resolution:

Wσ	rk	Or	der	ID	619	57

Monday, September 13, 2010 9:59:29 AM



Page 2

Item ID:

D205-634-041

Accept



Setup Start

Stop



Revision ID:

Item Name:

Replacement Skidtube

Start Date:

9/13/2010

Start Qty: 1.00

Required Date: 9/28/2010 Req'd Qty: 1.00

Cust Item ID: Customer:

Tool ID

Reference:

Approvals:

QC:

Process Plan:

Operation

Description

Date:

Date:

Tooling:

Set Up/

Run Hours

SPC (Y/N):

Date: Date:

Code

Tool # Plan

Stop

Reject

Qty

Start

Reject

Number

Run

Accept

Qty



Insp.

Stamp

Sequence ID/ **Work Center ID**

120

Skidtubes

Skidtubes

Memo

0.00

0.00

I - Deburr ends

Memo

2- C'sink holes as per dwg without cutting fluid

3- Prepare tube for welding, remove alodine as required.

130

QC

QC5- Inspect part completeness to step on W/O

0.00

Quality Control

W/O:			W	ORK ORDER CHAN	GES				10
DATE	STEP	PRO	OCEDURE CH	IANGE		Ву	Date Qt	Approval Chief Eng / Prod Mgr	Approval QC Inspector
					,				
Part No	·:	PAR #:	Fault Ca	tegory:	NCI	R: Yes	No DQA :	Date: _	
		esolution:							
NCR:	V. *.		WORK OR	DER NON-CONFORM	JANCE	(NCR)		
DATE	STEP	Description of NC	Corrective Action Section B				Verificatio	n Approval	Approval
DAIL	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng	1	Sign & Date	Section C	Chief Eng	QC Inspector
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Work Order ID 61957

Monday, September 13, 2010 9:59:29 AM



Page 3

Item ID:

D205-634-041

Accept



Setup Start



Revision ID:

Item Name:

Replacement Skidtube

Start Date:

9/13/2010

Start Qty: 1.00

Required Date: 9/28/2010

Reg'd Oty: 1.00



Cust Item ID:

Customer:

Reference:

	ro	

Process Plan:

Operation

Description

Date:

Tooling: SPC (Y/N):

Set Up/

Run Hours

Date:

Tool ID

Date:

Run

Accept

Qty

Reject

Qty

Start

Stop

Reject

Number

Stop



Insp.

Stamp

QC:

Sequence ID/ **Work Center ID**

140



Skidtubes Skidtubes

Memo

0.00

0.00

Date:

1-Weld step D2576 as per Dwg. D2580 and QSI 004, 7

2-Prep per QSI 005 and weld crossbolt spacers D2579 as per Dwg. D2580, QSI

For D2579 spacers, weld one side, pass 3/8" drill, weld other side, pass 3/8" drill BE 10-9-15

Tool # Plan

Code

3-Grind welds as per Dwg D2580 Grind flush ridge made from bending

4-Drill holes for wearplates using DT 8217 & DT8937 Open holes to 19/64", adjust stopper not to hit web.Deburr

5-Counterbore crossbolt spacers to 7/16" ID x 1.0" deep as per Dwg D2580. Deburr holes

6-Drill pilot holes for aft cap using DT 8215Open holes to 0.208". Deburr

7-Drill pilot holes for Tow ring using DT8091, open to .640" and Deburr

								<u> </u>
W/O:			W	ORK ORDER CHANG	ES			•
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date G	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							Frod Wigi	
								<u>]</u>
Part No	•	PAR #:	Fault Cate	egory:	NCR: Yes	No DQA: _	Date: _	
	Re	esolution:	Disposition	on:	_ QA: N/C Clo	sed:	Date: _	
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NCR)		
DATE	OTED	Description of NC		Corrective Action Section		Verification Verification		Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section 0		QC Inspector
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Work Order ID 61957

Monday, September 13, 2010 9:59:29 AM



Page 4

Item ID:

D205-634-041

Accept

Setup Start

Stop



Revision ID:

Item Name:

Replacement Skidtube

Start Date:

9/13/2010

Start Qty: 1.00

Required Date: 9/28/2010

Reg'd Oty: 1.00



Cust Item ID:

Customer:

Tool ID

Reference:

Process Plan:

Date:

Date:

SPC (Y/N):

Tooling:

Date:

Date:

Tool # Plan

Code

Start Run

Reject

Qty

Stop



Insp.

Stamp

Sequence ID/

Work Center ID

150

Quality Control

Operation Description

QC10- Inspect visual per QS1004- ground welds

Memo

Set Up/ **Run Hours**

0.00

0.00 > (0/02/23

Reject

Number

160

QC

Quality Control

QC5- Inspect part completeness to step on W/O

0.00 BL109-27.

Accept

Qty

HandFinish

Pressure Wash per QSI005 4.3

Memo

Memo

Re-alodine tube as per QSI 005 section 4.1.2.1 do not acid etch and leave fwd cap out of solution.

0.00

170

Hand Finishing

THOUSE CHARGE STATE OF THE LENGT PRODUCTION OF THE LEN	Α.
	Approval QC Inspector
Port No.	
Port No.	
Part No.	
Part No: PAR #: Fault Category: NCR: Yes No DQA: Date:	
Resolution: Disposition: QA: N/C Closed: Date:	
NCR: WORK ORDER NON-CONFORMANCE (NCR)	
DATE STEP Description of NC Corrective Action Section B Verification Approval	Approval
	QC Inspector

Work Order ID 61957

Monday, September 13, 2010 9:59:29 AM



Page 5

Item ID:

D205-634-041

Accept

Setup Start

Stop

Revision ID:

Replacement Skidtube Item Name:

Start Date:

9/13/2010

OC:

Start Otv: 1.00

Required Date: 9/28/2010 Req'd Qty: 1.00



Date:

Cust Item ID: Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

SPC (Y/N):

Date: Date:

Start

Run

Stop



Sequence ID/ Work Center ID

180

Powdercoat

Powder Coating

Operation Description

White Gloss(Ref:4.3.5.1) per QS1005 4.3-Alum

Memo

Memo

START TIME: OVEN TEMPERATURE:

FINISH TIME:

0.00

Set Up/ Tool ID

Run Hours
0.00 // 10-9~ 28

Code

Tool # Plan

Accept Oty

Reject Oty

Reject Insp. Number Stamp

190

OC

Quality Control

QC3- Inspect Part Finish

35 120101 LM (-

0.00

W/O:			WO	RK ORDER CHANG	ES			
DATE	STEP	PRO	CEDURE CHAN	IGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							Prod Mgr	
Part No	:	PAR #:	Fault Categ	ory:	NCR: Yes	No DQA:	Date: _	
	Resolution: Disposition:			;	QA: N/C Cld	sed:	Date: _	
NCR:		V	VORK ORDE	R NON-CONFORM	ANCE (NCR)		
Description of		Description of NC	C Corrective Action . Sect			Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector

Wո	rk	O	rder	ID	61	957
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Hand Finishing

Monday, September 13, 2010 9:59:29 AM



Page 6

Insp.

Stamp

Item ID: D205-634-041 Accept Setup Start **Revision ID:** Stop Replacement Skidtube Item Name: **Start Date:** 9/13/2010 Start Qty: 1.00 **Cust Item ID:** Required Date: 9/28/2010 Req'd Qty: 1.00 **Customer:** Reference: Start Run Approvals: Process Plan: ____ Date: Tooling: Date: Stop Date: ____ SPC (Y/N): Date: Sequence ID/ Operation Set Up/ **Tool ID** Tool # Plan Reject Accept Reject Work Center ID Description **Run Hours** Code Qty Qty Number 200 HandFinish 0.00 Memo

> 1-Install inserts & wearplates & Gaskets as per Dwg. D2580. Use a drop of

2-Coat D2594-3 O' rings with Petroleum Jelly and install on D2594-1 plugs as per Dwg D2580

2-Inspect for foreign object per QSI 024

4-Install 2855 Aft Cap as per Dwg D2580 and seal Fwd Step & Aft Cap with

5-Wing Walk as per Dwg D2580 and QSI 005 4.4 Batch: 14.115 028

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W/O:			WC	RK ORDER CHANGI	ES	·			
DATE	STEP	PRO	PROCEDURE CHANGE				Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No		PAR #:							
	Re	esolution:	Disposition	QA: N/C Closed: Date:					
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NC	R)			
		Description of NC		ion B Verification			Approval	Approval	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date	& Sect	tion C	Approval Chief Eng	Approval QC Inspector
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Work Order ID 61957

Monday, September 13, 2010 9:59:29 AM



Page 7

Item ID:

D205-634-041

Accept

Setup Start

Stop



Revision ID:

Item Name:

Replacement Skidtube

Start Date:

9/13/2010

Start Otv: 1.00

Required Date: 9/28/2010

Req'd Oty: 1.00



Cust Item ID:

Date:

Customer:

Reference:

Approvals:

Process Plan: ___ Date:

OC:

Date:

Tooling:

Date:

Code

Tool # Plan

Start Stop

Reject

Qty



Insp.

Stamp

Sequence ID/

Work Center ID

210

OC

Quality Control

Operation **Description**

OC5- Inspect part completeness to step on W/O

Foreign objects per OSI 024

Set Un/ **Run Hours**

0.00

SPC (Y/N):

Tool ID

Accept

Qty

Run

Reject

Number

220

Packaging

Packaging

Packaging

Memo

Memo

Inspect Aft Cap, Fwd Step and Wing Walk of work to Current Step Inspect for

Identify and pack for shipping as per PPPD205-634-041

6/379

0.00

0.00

230

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0/10/084y MF 08

(11/1/8

0.00

W/O:			WO	RK ORDER CHANG	ES			
DATE	STEP	PR	OCEDURE CHAN	IGE	Ву	Date Q	ty Approval Chief Eng / Prod Mgr	Approval QC Inspector
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			18-14-14-14-14-14-14-14-14-14-14-14-14-14-					
Part No	<u>. </u>	PAR #:	Fault Cated	orv:	NCR: Yes	lo DQA:	Date:	
	Resolution:							
NCR:			WORK ORDE	R NON-CONFORM	ANCE (NCR))		
DATE	STEP	Description of NC			ion B	Verification	on Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C		QC Inspector

Picklist Print

Monday, September 13, 2010 9:59:34 AM

Work Order ID: 61957

Parent Item:

D205-634-041

Parent Item Name:

Replacement Skidtube



Start Date: 9/13/2010

Required Date: 9/28/2010

Page 1

Start Qty: 1.00

Required Oty: 1.00

Comments:

IPP Rev:N□02.08.28□FP was QC5 in Step 27; Added QC5 to Step 30□KJ

IPP Rev P 10.02.19 per PAR09-043 EC verified by:DD

IPP Rev. O 06.02.28 Added paperwork EC

IPP Rev:P 07-07-09 SS Wearplates & Gaskets JLM

Manufactured

No

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2580-1		Manufactured	No			110	Each	3.0000		1	\bigcirc		

205 Skidtube bent detail

Location	<u>1</u>	Loc	Oty	Loc Code		N.	
LG	150186	7	2		(1)	'	10-9
	57028	,	1				(
	61191		1				
ST046			1		-		
	59856		1				
		140	Each	76.0000	1	1	

D2576-3

Step (maching detail)

Location	Loc Oty	Loc Code
LG	76	
46661	28	
52215	48	

E10-9-15

								•		
W/O:			WC	RK ORDER CHANG	ES					
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date C	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
										
•										
		PAR #:	Fault Cate	gory:	NCR: Yes No DQA: Date: _					
	Resolution:			ı:	_ QA: N/C Clo	sed:	Date: _			
NCR:		\	WORK ORDI	R NON-CONFORM	ANCE (NCR)					
DATE	STEP	Description of NC Corrective Actio			ion B	Verificat	ion Approval	Approval		
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section		QC Inspector		
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Monday, September 13, 2010 9:59:34 AM Work Order ID: 61957 Parent Item: D205-634-041 Parent Item Name: Replacement Skidtube Required Date: 9/28/2010 **Start Date:** 9/13/2010 Start Qty: 1.00 Required Qty: 1.00 D2579 Manufactured No 140 304.0000 Each 20 20 Crossbolt Spacer Location Loc Qty Loc Code LG 304 5 57052 57348 58433 2 59113 22 60845 102 61199 169 D2855 Manufactured No 200 Each 72.0000 Cap Location Loc Qty Loc Code FP6 56613 1 ST026 71 50513 50770 28 51539 2 53791 40 AN3-5A Purchased No 200 Each 1,517.000 10/09/28 Bolt

Location	Loc Qty	Loc Code	
ST350	1517		
105057	517		
115016	500		
115371	500		

W/O:		WORK ORDER C	WORK ORDER CHANGES									
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
Part No	:	PAR #: Fault Category:	NCR : Yes	No DQ	A :	Date:						

NCR:		WORK ORDER NON-CONFORMANCE (NCR)											
		Description of NC		Corrective Action Section B		Verification	Ammental	Annrovo					
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC inspector					

Monday, September 13, 2010 9:59:35 AM

Work Order ID: 61957 Parent Item: D205-634-041 Parent Item Name: Replacement Skidtube Required Date: 9/28/2010 **Start Date:** 9/13/2010 Start Qty: 1.00 Required Qty: 1.00 NAS1149D0332J Purchased AN960JD10L 200 No Each 2,219.000 Washer Location Loc Qty Loc Code ST348 2219 11114348 110985 2219 ALS7-1032-130 Purchased No 200 Each 1,868.000 50 Al 10/09/28 Insert Location Loc Qty Loc Code FP 851 115079 851 _y50_ M114723 ST282 1017 113238 17 115502 500 115581 500 AN3C4A No 200 2,220.000 Purchased Each BOLT Location Loc Qty Loc Code ST303 192 115438 192 X 50 ST350 2028 114108 14 114416 12 114523 2 115300 1000 115589 1000

W/O:				WORK ORDER	CHANGES				
DATE	STEP		PR	OCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:		PAR #:	Fault Category:	NCR: Yes	No DG	A:	Date: _	
	Res	solution:		Disposition:	QA: N/C (Closed:		Date:	

NCR:			WORK ORDER NON-CONFORMANCE (NCR)									
		Description of NC		Corrective Action Section B		Verification	Anneous	Approval QC Inspector				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng					
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Monday, September 13, 2010 9:59:35 AM

Work Order ID: 61957 Parent Item: D205-634-041 Parent Item Name: Replacement Skidtube Required Date: 9/28/2010 **Start Date:** 9/13/2010 Start Qty: 1.00 Required Qty: 1.00 AN960C10L NAS1149C0332 Purchased No 200 Each 155.0000 50 50 10/09/28 washer Location Loc Qty Loc Code ST245 155 1111569B 29 y50 107534 54 109545 111548 72 D3566-13 200 Manufactured No Each 19.0000 10/09/28 Gasket Location Loc Qty Loc Code FP012 19 59661 11 60209 D3566-5 Manufactured No 200 Each 20.0000 Gasket Location Loc Qty Loc Code FP 20 20 60869 D3566-1 Manufactured No 200 Each 30.0000 Gasket Location Loc Oty Loc Code FP015 30 57715 60202 10 61656 18

W/O:			W	ORK ORDER CHANGI	ES			
DATE	STEP	PRO	OCEDURE CHA	ANGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No		PAR #:	Fault Cate	egory:	NCR: Yes	No DQA:	Date: _	
	R	esolution:	Disposition	on:	_ QA: N/C Cld	sed:	Date: _	
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NCR)		
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DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
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Picklist Print

Monday, September 13, 2010 9:59:35 AM

Page 5

Work Order ID: 61957 Parent Item: D205-634-041 Parent Item Name: Replacement Skidtube Required Date: 9/28/2010 **Start Date:** 9/13/2010 Start Qty: 1.00 Required Qty: 1.00 D3564-11 Manufactured No 200 12.0000 Each 35/poles Wearshoe Location Loc Qty Loc Code FP019 12 60302 12 D3564-13 Each Manufactured 200 16.0000 H10109175 Wearshoe Location Loc Qty Loc Code FP17 16 .59660 4 60862 12 D3564-9 Manufactured No 200 Each 14.0000 Wearshoe Location Loc Oty Loc Code FP 55334 FP019 13

13

60236

W/O:			W	ORK ORDER CHANG	ES				:		
DATE	STEP	PRO	CEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
			.								
Part No				Fault Category: NC			_ NCR: Yes No DQA: Date:				
	Resolution:		Dispositi	on:	_ QA: N/C (Closed: _		Date: _			
NCR:			WORK OR	DER NON-CONFORMA	ANCE (NC	R)					
DATE	STEP	Description of NC			ion B	Verif	ication	Approval	Approval		
DATE	SILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Dat		tion C	Chief Eng	QC Inspector		
								1			

Monday, September 13, 2010 9:59:35 AM

Work Order ID: 61957										
Parent Item: D205-634-041										
Parent Item Name: Replacement Skidtu	ube	11881118 1011				· · · · · · · · · · · · · · · · · · ·		art Date: 9		Required Date: 9/28/2010 Required Qty: 1.00
D3564-5	Manufactured	No			200	Each	20.0000	1 	1 H	10/09/28
			<u>Location</u>	<u>l</u>	<u> </u>	oc Oty	Loc Code			
			FG		_	1				
				34806		1				
•			FP19			10				<u> </u>
				57525		1				
				58709		1				
			FP-19	61699		8				
			11-19	60868		9 9				
D2594-3	Manufactured	No			200	Each	139.0000	16	16	_
O-Ring, 205 Skidtube	aractai,ea					- 111 11	107,0000			10/09/28
•			Location	<u>l</u>	1	Loc Oty	Loc Code			
			FP			139	xx Cel76	2	XILe	
				55546		19				
				58191		12				
D2594-1	Manufactured	No		59358	200	108	275 0000	17		
Plug, 205 Skidtube	Manufactured	,			200	Each	275.0000	16	16 LY	10/09/28
C.			Location	<u>!</u>	ļ	oc Qty	Loc Code			
			FP			183				
				42807		112				
				55002		71				<u> </u>
			FP14	.		92				
				58434 59110		15 77				
				52110		, ,			<u> </u>	<u> </u>

W/O:			WO	RK ORDER CHAN	GES				
DATE	STEP	PRO	OCEDURE CHAN	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
								Prod Mgr	
Part No	:	PAR #:	Fault Categ	Jory:	NCR: Yes	s No DQ	A:	_ Date: _	
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NCR:			WORK ORDE	R NON-CONFORM	ANCE (NO	R)			
DATE	OTED	Description of NC	Corrective Action Section B			Verifi	cation		Approval
DATE	STEP	Section A	Initial Chief Eng		Sign & Section C		QC Inspector		
			!						
									
-									



i	DESIG	*#	DRAWN BY	DART AEROSPACE LTD
	CHECK	(ED://	APPROVED	DRAWING NO. REV. D
		THE STATE OF THE S		D2580 SHEET 1 OF 3
	DATE			TITLE SCALE
	07.0	2.27		205 SKIDTUBE ASSEMBLY NTS
	Α		96.09.16	NEW ISSUE
	В		96.12.02	AS MANUFACTURED
	С		98.08.26	REDRAWN, INCLUDED DEO 9094/9097
	D		07.02.27	CHANGE TO SS WEARPLATES AND GASKETS, INCLUDE DEO 9124/9183

NO. 41957
B810-9-B
RELEASED
07 06 28

			<u> </u>
QTY	QTY	Part Number	Description
-041	-045		
X		D2580-041	SKIDTUBE ASSEMBLY
	<u> </u>	D2580-045	SKIDTUBE ASSEMBLY
1	1	D2500-1-190	EXTRUSION
1	1	D2576-3	STEP
20	24	D2579	CROSS BOLT SPACER
16	16	D2594-1	PLUG
16	16	D2594-3	O-RING
1	1	D2596	205 WEB
1	1	D2855	AFT CAP
1	1	D3564-5	WEARSHOE
1	1	D3564-9	WEARSHOE
1	1	D3564-11	WEARSHOE
1	1	D3564-13	WEARSHOE
2	2	D3566-1	GASKET
1	1	D3566-5	GASKET
1	1	D3566-13	GASKET
50	50	ALS7-1032-130	INSERT
		or AKS7-1032-130	
		or AKS4-1032-130	
		or AELS-1032-130	
50	50	AN3C4A	BOLT
2	2	AN3-5A	BOLT
50	50	AN960C10L	WASHER
2	2	AN960JD10L	WASHER

GENERAL NOTES:

- 1) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 2) ALL DIMENSIONS ARE IN INCHES
- 3) INSERT D2596 WEB TO LOCATION SHOWN OFF AFT END OF SKIDTUBE AND BOND WEB INTO OUTER TUBE WITH NON-STRUCTURAL SIKAFLEX-241 ADHESIVE PER DART QSI 015 BEFORE BENDING. ENSURE HOLES LINE-UP.
- 4) BEND AS A SMOOTH RADIUS STARTING WITH A MAXIMUM CENTERLINE RADIUS OF 60 AND ENDING WITH A MINIMUM RADIUS OF 30. A MAXIMUM REDUCTION OF 0.200 IN DIAMETER IS ALLOWABLE IN THE BENT PORTION OF THE TUBE.
- 5) USE DART DRILL TEMPLATE TD2577-205 TO LOCATE AND DRILL Ø0.297 HOLES FOR WEARSHOE INSERTS. INSTALL ALS7-1032-130 PER SECTION D-D (50 PLACES) AFTER FINISH. INSTALL AN3C4A BOLTS AND AN960C10L WASHERS WITH SIKAFLEX-241/-291.
- WELDING TO BE DONE PER DART QSI 004.
- 7) FINISH:

SEE NOTES ON PAGE 2 FOR D2580-041 AND PAGE 3 FOR D2580-045

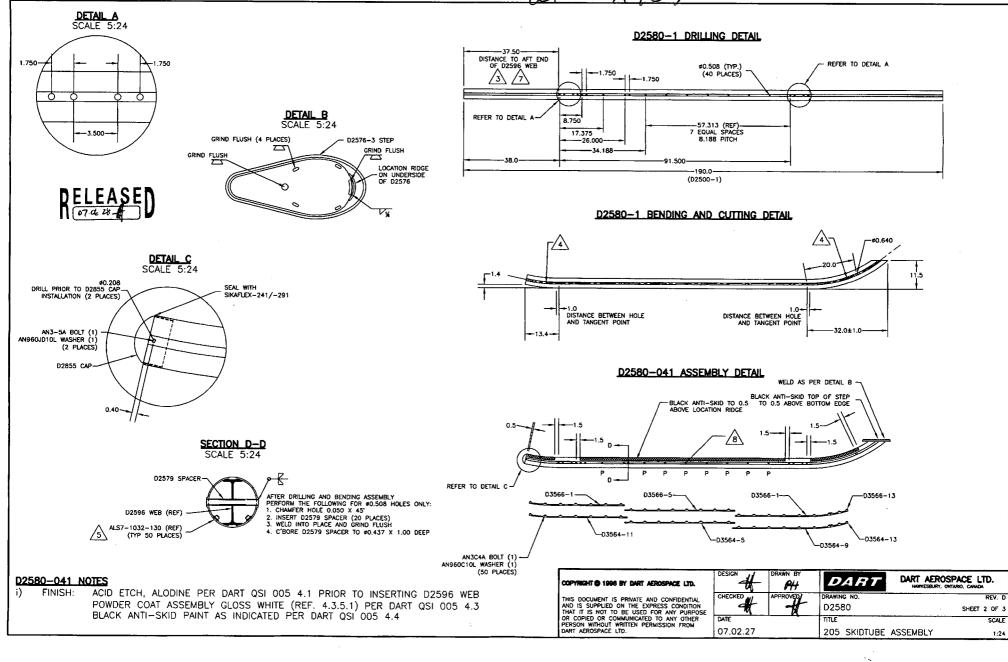
 INSERT D2594-1 PLUG C/W D2594-3 O-RING IN HOLES MARKED 'P' (BOTH SIDES OF TUBE) AFTER FINISH (16 PLACES).

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W/O:			WC	RK ORDER CHANG	ES					
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	D	ate	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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NCR:			WORK ORD	R NON-CONFORM	ANCE (N	CR)				
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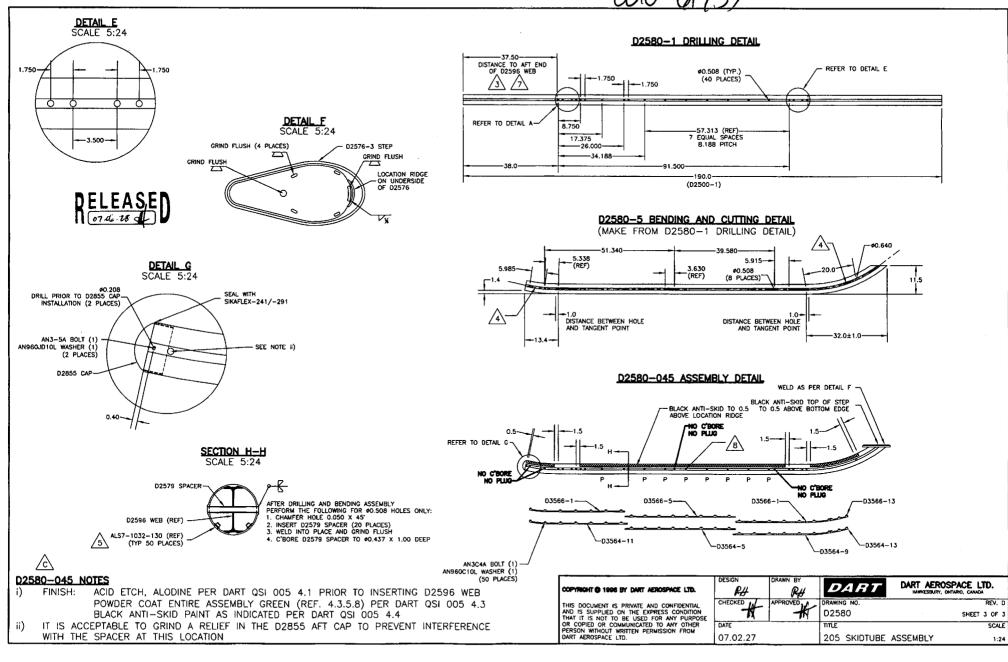
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DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	I	ion C	Chief Eng	QC Inspector
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		Description of NC		Corrective Action Section B	Verification	Approval	Approval							
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NO. 23&

AWS D17.1.2001 QUALIFICATION TEST RECORD

Name: Barclay Ellicht	
Job number: 635名	
Part number: 5205-634-041	
Description: 205 ** d tube	
Welding Process: Tig[→ Mig[]	
Base materiel: Aluminium	
Current: AC[DC[]	

TEST REQUIREMENTS AND RESULTS

Visual: Penetration:	pass[fail[] pass[fail[]
UNACCEPTABLE	
Cracks: Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration:	pass[] fail[] pass[] fail[] pass[] fail[] pass[] fail[] pass[] fail[] pass[] fail[]
Qualifier Sorly Ellot	_Date of Test Coupon_10.08.25

The above named individual is qualified in accordance with AWS D17.1.2001 to weld